January 2009

BSC Participant Test Service

User Guide

This document describes the BSC Participant Test Service, and outlines the actions required by BSC Participants in order to use the service

Document Reference	001 ATG
Issue	Version 5.0
Date of Issue	January 2009
Reason for Issue	Use
Author	ELEXON & Logica

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I DOCUMENT CONTROL

a Authorities

Version	Author	Organisation	Change Reference
1.0	ELEXON and Logica	ELEXON and Logica	New Issue
2.0	ELEXON and Logica	ELEXON and Logica	New Issue
3.0	ELEXON and Logica	ELEXON and Logica	New Issue
4.0	ELEXON and Logica	ELEXON and Logica	Housekeeping Changes
5.0	ELEXON and Logica	ELEXON and Logica	Housekeeping Changes

Version	Reviewer	Organisation	Responsibility
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Version	Date	Approver	Signature	Responsibility
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2.0	15/7/02	Graham Webb		Commercial Planning
3.0	31/7/03	Gareth Evans		PTS Supervisor
4.0	01/11/05	Roger Harris		PTS Supervisor
5.0	07/01/09	Premal Babla		PTS Supervisor

Version	Date	Authorisation	Signature	Responsibility
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4.0	01/11/05	Roger Harris		PTS Supervisor
5.0	07/01/09	Premal Babla		PTS Supervisor

b Distribution

Name	Organisation
BSC Participants	Various
BSC Central Services Director	BSC Central Services
Customer Contract Manager	Logica UK Ltd

c Change History

Version 1.0 authorised for use.

d Changes Forecast

This document will be updated to reflect operational experience of the Participant Test Service.

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e Related Documents

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1 INTRODUCTION

1.1 Purpose

The purpose of this document is to provide participants with details of the Participant Test Service (PTS) to enable them to make effective use of the service. This document does not provide an overall description of the operation of the BSC services – instead it identifies where the PTS differs from the operational service, and provides details for accessing the test service. It is assumed that the audience for this document has a good understanding of the operation of the BSC Central Services, and how participants interact with those services.

1.2 Scope

Issue 1.0 of this document covered the initial service (ECVAA), which was available for use from 4 March 2002 through to 5 July 2002. Issue (4.0) of the document includes details of an extended Participant Test Service, which includes CRA, SAA, CDCA & ECVAA, available from 8 July 2002. Note that BMRA is not currently included in the full PTS.

This document is aimed at the booking and use of the De-restricted Test Environment only. Further details associated with the use of the Structured Test Environment can be found in 'BSC Systems Delivery Programme–Management of Testing using the Participant Test Service Structured Environment'.

1.3 Summary

The Modifications Process, as defined in the BSC, facilitates the proposal, assessment and implementation of changes to the BSC. Such changes to the BSC must be reflected in the service agreements and computer systems that support the day to day operational aspects of the BSC requirements. Similarly changes to processes or BSCP's may give rise to changes to computer systems. The nature of some changes can be expected to impact the interactions between the central computer systems and those of participant companies. A test service that is similar in nature to the live BSC systems is made available to increase the level of assurance, to individual companies, and to the industry as a whole.

The Participant test service is expected to be of benefit to four broad categories of user, these are:

- BSC Parties / Party Agents;
- New Entrants;
- Third Party software developers; and
- ELEXON.

The test service typically operates with the same application software as the corresponding live service, and will have in place much of the live base data – thus enabling participants to test against the service in a near-live environment. There will be two individual environments within the PTS – one of which will be used for

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structured testing (managed and controlled by ELEXON) the other environment, the 'De-restricted' environment is available (via a booking system) for participants to carry out whatever testing they require.

It is expected that the PTS will be used for the following types of testing:

- For structured testing of new releases of central services software – this will be managed by ELEXON (in the structrured environment) as part of the pre-release assurance for the service;
- To allow participants to test against new versions of the Central Services;
- To allow participants to test new versions of their software against the existing services;
- To allow participants to test scenarios or situations prior to their use in live;
- To provide a facility for non-participants (for example, software vendors).

The remainder of this document describes the PTS in more detail and is arranged as follows:

Section 2	provides an overview of the PTS;
Section 3	provides a summary of the actions required before participants can use the PTS;
Section 4	gives details of using the system and the test booking procedure;
Section 5	gives details of the Participant support provided;
Section 6	provides details of connecting to the PTS;
Section 7	explains the approach to data population of the PTS;
Section 8	explains the mechanism for handling manual flows;
Section 9	explains the mechanism for handling electronic flows and reports;
Appendix A	provides the booking form and forms for submitting manual flows.

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2 OVERVIEW OF PARTICIPANT TEST SERVICE (PTS)

This section provides an overview of the PTS and, in general terms, the service characteristics.

The PTS supports two separate BSC system environments; one of which will be available to participants for informal and self managed testing, this is referred to below as the 'de-restricted' environment. The second environment and associated BSC applications will be prioritised for use by the BSC Systems Delivery Programme (managed by ELEXON) for 'structured' testing. Both are outlined below.

The De-restricted environment within the PTS is available for use by BSC Parties, Agents and other non BSC Parties as authorised by ELEXON.

2.1 De-restricted Environment

The De-restricted test environment will be available to users for participant focused testing. The booking process will ensure that no one, or group of, users exploit use of the PTS to the detriment of others.

The most complex aspect of the Participant Test Service is the test data and as such is likely to be the area that imposes the most restrictions on users. Such restrictions might be in the form of the type of data available and therefore the nature of testing possible. Similarly the data set up required by one group of users might not be consistent with the data set-up preferred by another user or group of users.

The number of PTS users that may concurrently use the service will depend on:

- The number of bookings received for any given Test Slot / week
- The nature and complexity of the testing activities each user wishes to undertake
- The effort required for data set-up in advance of testing
- The nature of any PTS maintenance required during any given Test Slot / week.

Limits on the number of simultaneous users wanting to undertake testing in the De-restricted test environment may be imposed from time to time. These limits will only be imposed for practical reasons and an overall cap of 20 simultaneous users has been set. This cap will be kept under review following operational experience. This User Guide concentrates on the arrangements for the De-restricted environment.

2.2 Structured Environment

The structured test environment will be under the management and control of the BSC CVA Programme team. The Programme is expected to install new BSC systems application software onto the structured environment prior to formal implementation in the live environment. The lead time between application software being available for participant testing and live implementation can be expected to differ from release to release but might be of the order of three to four weeks. The Programme is expected to organise formal testing activities, involving a

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limited number of selected participants, to gain additional assurance following that gained from the Central Service Provider testing activities.

Activity in the structured environment can be expected to be concentrated, but not necessarily limited to, the periods between availability of new software releases from the central Service Provider and implementation in the live environment. The additional assurance gained from participant focused testing of new functionality or flows may also feed into the Projects implementation decision making.

This User Guide makes no further mention of the Structured Testing Environment, further information regarding use of the Structured environment can be found in 'BSC Systems Delivery Programme –Management of Testing using the Participant Test Service Structured Environment'.

2.3 Software Versions

In general the test environments mirror the live system – both in terms of the base data and the versions of the software applications. However, there will be occasions when the software is different between the live and one or other test environment – for example:

- Patches may be applied to the live service before they are applied to the test environments. In general the test environments will be patched at approximately the same time but there may be a short lag.
- Some patches may be applied to one or both test environments for final proving before being released to live.
- Data will be copied from the live environment into the test service from time to time to ensure that they do not drift too far out of 'sink'.

In general, participants will be informed of such variations if there is any impact on them.

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3 SUMMARY OF ACTIONS REQUIRED BEFORE USING THE TEST SERVICE

This section provides a high level summary of the steps that prospective PTS users will need to take before connecting to and using the service. The summary provided below includes the activities supported by both ELEXON and those supported by the PTS Service Provider.

Step	Activity	Notes	Ref
1.	Read User Guide	The User Guide supports users through all aspects of use of the PTS. The Guide covers Booking, provisions and restrictions, manual flow (BSCP) forms, PTS connection and the practicalities of use	
2.	Make booking Request	Appendix A of this User Guide includes a booking form which should be used to request a PTS 'Test Slot'. A connection date needs to be specified. These details must be sent to helpdesk@elexon.co.uk and received by ELEXON at least 2 weeks in advance of the requested 'Test Slot'.	4.1
3.	Receive booking confirmation	Prior to a requested Test Slot users will be given confirmation (or rejection) of their requested Test Slot one week before the test slot. This information will also be passed to the Test Service Provider so users can obtain the relevant connection details.	4.1
4.	Obtain Connection information from the Test Service Provider	The user will be contacted to provide the necessary details for connection on the agreed connection date. Participants will only be connected for the testing period concerned.	6
5.	Connect	At the agreed Test Slot users should successfully connect to the PTS (via existing network infrastructure) and commence agreed testing.	6
6.	Disconnect	Once the agreed test slot is over the Party should disconnect from the Test System Immediately.	

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4 USING THE PTS

4.1 Overview

The main aim of the booking process is to ensure that access to the Participant Test Service is fair and equitable. Therefore all bookings follow a timescale to ensure that each Party is treated fairly.

If a conflict arises between booking requests for access to the PTS resulting in a booking request being unsuccessful that unsuccessful request will be given priority for the next available test slot. It should be noted that it is reasonable to expect periods when the PTS will not be available due to technical reasons. Re-scheduling of bookings will be required following such periods. Similarly the PTS will require maintenance periods where testing will not be possible. Where possible these will be factored into the schedule of agreed bookings.

Requests for access to the PTS should be for half days, with a minimum of 1 and a maximum of 10, for any one company, in any given week.

The PTS booking arrangements will be kept under review by ELEXON following operational practice and modified in light of the experience gained in the way the PTS is used.

4.2 Booking Use of the Participant Test Service

The PTS booking process is formalised by the following steps:

Step	Who	When	What
1.	User	A minimum of 2 weeks before test week	Participants wishing to book a Test Slot should in the first instance contact ELEXON and request a Test Slot The information provided (using the form in Appendix A of this document) should include: • Company Name • Contact details • BSC Party ID • Days and dates requested (Monday to Friday) • Signed Testing Agreement letter (non BSC Parties only) • Detailed descriptions of the nature of testing to be undertaken and the flows expected to be used • Connection Date The Party may cancel any test slot up until 5 Working days before the test date, to cancel a test slot booking they must contact ELEXON. After that point

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			the Party will be charged for any unused test slots.
2.	ELEXON	Within 2 working days	ELEXON will confirm with the Test Service Provider that the booking slot can be accommodated and send a confirmation to the User making the request.
3.	ELEXON	One week before the first test slot.	ELEXON will send a copy of the invoice to the User.
4.	ELEXON	At least 2 Working Days before the first test slot	The User will be contacted to determine connections to the system.

The information required in Step 1 should be provided on Form 1, in Appendix A, and emailed to helpdesk@elexon.co.uk.

4.3 Provisions and Restrictions

In accordance with the 14 February 2002 Panel decision, a Test Slot cost recovery fee of £500 will be charged, for each Test Slot, and invoiced as a BSC Specified Charge. The current Usage Fee is £500 per Test Slot (i.e. £1000 per day).

A BSC Party shall be charged any relevant Usage Fees as a BSC Specified Charge. The Usage Fee shall be set in accordance with Section 6.1 of Annex D-3 to Section D of the BSC.

Non-BSC Parties wishing to use the Participant Test Service are required to sign a Test Service Agreement letter available on request from ELEXON Test Service Controller, ELEXON, 4th Floor, 350 Euston Road, London. This must be completed before the test slot can be booked.

The Test Service Agreement letter sets out the terms and conditions under which non-BSC Parties shall be provided access to the Test Service.

Unless otherwise instructed by ELEXON, a non-BSC Party is only required to provide 1 signed Test Service Agreement letter to ELEXON and need not provide duplicate letters each time they request access to the PTS. However, ELEXON reserves the right to terminate or vary the terms of the Agreement at any time

The User accepts that the "BSC Participant Test Service User Guide" places no obligations on the Service Controller unless explicitly stated.

The Service Controller accepts no responsibility for the User's testing or the results of such testing.

The Service Controller makes no guarantee that the BSC Central Systems in use by the De-restricted Participant Test Environment shall mirror the BSC Central Systems in use in the live environment, both in terms of the base data and the versions of the software systems. However, the Service Controller shall attempt to keep the User informed of such variations if there is any impact on the User.

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Test Slots are booked at the Service Controller's absolute discretion. The Service Controller reserves the right to refuse the User a Test Slot at any time and for any reason.

The Service Controller reserves the right to cancel Test Slots at any time and for any reason.

By requesting a Test Slot and subsequently receiving a Test Slot confirmation the User accepts that it will be liable for the prevailing Participant Test Service Charges as endorsed by the BSC Panel.

The User accepts that use of the De-restricted Participant Test Environment is restricted only to the Specified Testing during an agreed Test Slot. Any further testing must be agreed with ELEXON prior to use.

The User accepts that any changes to the arranged test slots must be received at least five working days otherwise the user will be charged for the arranged bookings.

The Service Controller reserves the right to place further formal constraints on the User's use of the De-restricted Participant Test Environment prior to or during any Test Slot. These constraints may be varied upon instruction from the Service Controller to the User at any time. However, notwithstanding any such constraints, the Specified Tests carried out by the User during its Test Slot shall be at the discretion of the User. The Service Controller shall not be responsible for defining or managing the Specified Tests, or checking the results.

The Service Controller reserves the right to monitor the User's activities at any time during a Test Slot.

The Service Controller reserves the right to restrict the availability of Test Data to the User.

The User accepts that limited support resources are available to support the Participant Test Service and such resources may be constrained from time to time.

Whilst a number of safeguards are in place to separate test flows from live (i.e. different IP addresses, FTP logins, Test Flags) it is the Users responsibility to ensure that these are employed correctly to prevent test data from entering the live service and similarly to prevent live data from entering the Participant Test Service.

The User accepts that they must disconnect from the Test Service.

By making a Participant Test Service booking request Users confirm that they accept and agree to the provisions and restrictions set out in the Participant Test Service User Guide.

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5 PARTICIPANT SUPPORT

Participant support associated with the PTS can usefully be separated into support provided by ELEXON and the support provided by the Test Service Provider (Logica).

Participant Test Service support does not include assistance to participants for:

- entering into bilateral contracts with counter-Parties;
- writing scripts related to any part of PTS use; or
- producing expected results for checking purposes.

Responsibility for these activities remains with each individual user. As well as entering into contracts with other users, participants may enter into contracts with the Dummy participant that will be provided for as part of the Participant Test Service data set-up (see section 7.3).

Whilst the above activities are not supported by the Test Service Provider, ELEXON Participant Operational Support Analysts, contactable via the ELEXON helpdesk, may be able to offer some help and advice.

5.1 Support Resources

The PTS support resources, particularly those provided via the Test Service Provider to facilitate connection and basic use of the PTS, on any given day are necessarily limited and must be apportioned equally amongst the booked PTS users. Users who require more support will need to make arrangements with ELEXON for this to be available.

5.2 ELEXON Support

ELEXON should be contacted for queries and support in connection with the following areas:

1. Booking (requests, confirmations etc.)
2. General queries relating to the trading arrangements and their operation
3. General queries associated with the PTS.

All Booking requests and queries relating to the PTS should be emailed to helpdesk@elexon.co.uk . Other requests and enquireies should be directed to the ELEXON Helpdesk (by email: helpdesk@elexon.co.uk or by telephone: 020 7380 4222).

5.3 Hours of Operation

The PTS will normally be running and available at all times. However, the service is only supported during normal office hours (09:00 – 17:30, Monday to Friday). Outside of these hours support will not normally be provided, and any problems with the system will not be dealt with until the next working day. Thus participants are able to use the service outside normal hours, but if problems are experienced these will not be dealt with until the next working day.

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6 CONNECTING TO THE PTS

6.1 General

Both PTS environments reside on the same physical system, and are thus accessed via a single network address (IP Address). This is a different network address to that used for live operation, thus providing separation. There is access via high-grade and low-grade FTP services as in the live environment. No BMRA web access or TIBCo publishing is provided in the service.

Participants will be provided with two separate FTP logins for each of their Participant ID which will be used to determine which environment they are accessing. The same logins will apply to both high and low grade where applicable.

6.2 Test Flags

To provide additional separation, and to facilitate the routing of flows within participant organisations, the PTS uses the following Test Flags on all flows sent and received:

PTS Environment	Test Flag
De-restricted Environment (PTE1)	TR01
Structured Environment (PTE2)	TR02

These test flags provide an extra level of assurance that live data flows are not received by the PTS or vice versa. Any electronic flow received by a system must have the correct test flag – otherwise the flow will be rejected. Similarly, flows sent from the PTS will contain the appropriate test flag – thus allowing a similar check to be carried out by participant systems.

6.3 Sequence Numbers

Sequence numbers on flows within the test environments will be validated in an identical way to the live system – although they will be distinct from the live system. For each test system the flow sequence number will (by default) start from 1, and will be independent of the other test system, and the live system. Changes to the sequence number to be used can be requested at any time – see Appendix A for the form to be used.

6.4 IP Addresses

There is FTP access via a high-grade link, and a low-grade (internet) link. The addresses / names used are as follows:

Service	Address / Name	Comments
High Grade FTP	192.168.253.2	Available via high-grade private network only
Low-Grade FTP	195.92.61.132 ptsftp.bmreports.com	

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Initially, all connections have been configured such that participants are to "pull" files from the central systems. Participants can request that this is changed so that the Test Service Provider "pushes" files to their systems, if necessary using different IP address and login details to those used in live – Form 15 in Appendix A should be used to request this change.

6.5 Encryption Keys

Initially the same encryption keys will be used for the PTS as used in live. These can be changed on request by contacting the Test Service Provider PTS Support.

6.6 Connection Tests

When a participant first connects to the PTS (prior to their first Test Slot) an initial connectivity test will be carried out. The Test Service Provider will contact the participant and arrange for one or more sample files to be transferred. This test will prove that the communications infrastructure is working.

6.7 Connection Duration

Participants will be permitted to connect to the PTS up to one week prior to the test slot. Test files may only be sent to the PTS environment during the test period. Participants are not permitted to remain connected to the PTS system after the test slot has been completed and will be disconnected from the system when the slot has finished.

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7 TEST DATA

The base data within the PTS is a snapshot of the base data from the live system. Significant changes to the live data (such as new participants) will be reflected in the PTS. Participants will be able to make some changes to the test data (see below) – this may result in the test and live data diverging over time. The PTS may be "refreshed" with a copy of the live system at various times in the future, as directed by ELEXON.

For up to date information regarding the standing data and or settlement day data available in the PTS please email helpdesk@elexon.co.uk.

7.1 CRA Registration Data

Most of the CRA registration data is included in the data load, including the following:

- BSC Party and Agent Registrations.
- Authorised Signatures.
- BM Units.
- Trading Units
- Metering Systems and Technical Details
- Aggregation Rules.

Note that the authorised signature details have been copied from live, and these will be used (name only) to check manual flows being submitted to the PTS. Participants are able to change the authorised signatures for the test environments using a modified version of BSCP 38

Participants are also able to change parameters associated with their BM Units (such as the Demand or Generation Capacities, or CALF). They are also able to change contact details associated with their Party or Agent registrations.

Participants are not permitted to add / delete BMUs, or change other registration details unless agreed with ELEXON.

7.2 ECVAA Data

The following ECVAA data has been replicated from live:

- ECVAA Agent Authorisations (ECVNAA & MVRNAA);
- ECVAA Authorisation Keys;
- Credit Limit Data.

The above ECVAA data can be changed by participants. Authorisations can be terminated, new authorisations created, and keys changed, subject to the normal authorised signatory constraints. Note that to set up new ECVAA Authorisations still requires the consent of both counter Parties (except in the case of dummy participants – see below).

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Participants are able to change their Credit Limit if required. Note that the FAA Service is not part of the PTS, and thus participants should instead make requests to change their credit limit directly with the ECVAA – clearly the normal process for changing credit limits will not apply.

Notifications have not been copied from live. Note that a consequence of this is that where a participant is a lead Party for a BMU, and has set up re-allocations within the live environment, these will not be present in the PTS.

7.3 Settlement Data

The CDCA/SAA system will be populated with a short snapshot of live settlement data which will allow a number of settlement runs to be carried out. This will include all the data required for CDCA Aggregation and SAA Settlement runs, including Meter Readings, Aggregated Volumes (to allow Settlement Runs without the corresponding aggregation run), and Allocated Supplier Volumes (to allow Settlement runs without SVAA input).

For up to date information regarding the standing data and or settlement day data available in the PTS please email helpdesk@elexon.co.uk.

Participants can request changes to their own Meter Readings if required to test out particular scenarios. Any changes to meter readings will be entered as estimates, and should be submitted using manual flow CDCA-I013.

In general only II and SF aggregation and settlement runs will be carried out – the timetable for these is specified in the next section. If required, additional reconciliation runs can be done for participants.

7.4 PTS Settlement Calendar

Under normal conditions, only Interim Initial (II) and Initial Settlement (SF) runs will be done on the PTS. A "compressed" timetable will be used for these runs, using the following default timing:

Run	CDCA Aggregation Run	SAA Settlement Run
Interim Initial (II)	SD+1WD	SD+2WD
Initial Settlement (SF)	SD+3WD	SD+4WD

To receive these runs the Parties must be connected to the system for the relevant days. Therefore it may be necessary to be connected to the system for more than one test slot, or to arrange for the files to be sent via email.

7.5 Dummy Participant IDs

A number of dummy participant IDs (BSC Parties with Production and Consumption accounts) have been created in the test environments which can be used by any Party for test purposes. These can, for example, be used as counter Parties in authorisations and contract notifications. The details of these IDs are as follows:

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Participant ID	Details
ZZTEST01	Dummy BSC Party Level 1 (80%) Credit Default
ZZTEST02	Dummy BSC Party Level 1 (80%) Credit Default - Notification Rejection Flag can be set.
ZZTEST03	Dummy BSC Party Level 2 (90%) Credit Default
ZZTEST04	Dummy BSC Party Level 2 (90%) Credit Default - Notification Rejection Flag can be set.
ZZTEST05	Dummy BSC Party with large Credit Limit
ZZTEST06	Dummy BSC Party with large Credit Limit

By default, all of these IDs will have their "Permit Notification Rejection Flag" set to "N", such that notifications will not be rejected. For IDs ZZTEST02 and ZZTEST04, the Test Service Provider can set this flag to "Y" (indicating that Notifications will be rejected when the 90% credit limit is breached) – however, this will need to be requested prior to the testing, and may be constrained by other testing taking place. Participants may also request that the Notification Rejection Flag is set for their own Party ID – see section 8.3 for details.

Although participants are free to submit whatever notifications they require using these dummy Parties, it will be necessary to delete these notifications periodically in order to ensure these Parties contain reasonable data. Notifications between other Parties will not normally be deleted by the Test Service Provider.

Reports for these dummy Parties may be distributed to participants if the data contained does not relate to any other external Parties. Thus where the dummy IDs are being used as a counter Party in notifications, participants can be confident that details of those notifications will not be seen by other Parties.

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8 MANUAL AND ELECTRONIC INPUTS

8.1 Manual Inputs

Manual input flows to the PTS are handled in a similar way to the live service. Participants need to complete the relevant form for all data changes (such as registration changes, authorisation requests etc). These forms are similar to the corresponding BSCP Forms, and are provided in Appendix A.

NOTE: It is important that users of the Participant Test Service use the Forms in Appendix A to this document (with reference TR01) when sending manual test flows to avoid the potential for changes being made to the data in the 'live' service.

Manual inputs will be subject to similar authorisation checks to those used in live (via the Authorised Person check) – however, no check will be made of the signature on the forms – only that the name is an authorised person for the given request. Participants are able to change the authorised person for either or both of the test environments as required. It is thus possible to have different authorised person details on all three environments (Live, PTE1 & PTE2).

The procedure for requesting data changes is based on the corresponding BSCP, but the timescales specified in the BSCP do not, in general, apply. However, participants should provide as much advance notice of data requests as possible – as a general rule, all data changes must be submitted by midday on the working day before the required effective from date.

The following manual input flows are supported. All other manual inputs will only be supported in prior agreement with ELEXON.

Flow ID	Flow Name	BSCP Form[1]	Comments
CDCA-I013	Response to Estimated Data	-	This mechanism will be used where a participant requires changes to the meter readings, which will then be input as estimates.
CRA-I001	Party Registration	BSCP65/4.1	Only for changes to Contact Details for Address
	Authorised Persons	BSCP 65/1A	Authorised Person Name will be checked – signatures will not
CRA-I002	IA Registration	BSCP65/4.1	Only for changes to Contact Details or Address.
CRA-I003	Agent Registration	BSCP65/4.1	Only for changes to Contact Details or Address.
CRA-I005	BMU Registration	BSCP 15/4.1	Only for changes to Demand Capacity or Generation Capacity.
CRA-I006	Trading Unit Registration	-	Only as agreed with ELEXON
CRA-I007	Boundary Point Registration	-	Only as agreed with ELEXON

[1] Modified versions of these forms are given in Appendix A.

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Flow ID	Flow Name	BSCP Form[1]	Comments
CRA-I011	CALF Values	Form 13 (See Appendix A)	Direct from participants for participant's BMUs
CRA-I027	GSP Group and GSP Registration	-	Only as agreed with ELEXON
CRA-I031	Meter System Data	-	Only as agreed with ELEXON
ECVAA-I002	ECVNAA Requests	BSCP71/01 BSCP71/03 BSCP71/09	No restrictions
ECVAA-I003	MVRNAA Requests	BSCP71/02 BSCP71/05 BSCP71/09	No restrictions
ECVAA-I006	Credit Limit Data	Form 12 (see Appendix A)	Direct from participants
ECVAA-I035	Forward Contract Report Start Period Override	-	No restrictions

It is not expected that there will be a need to submit any other manual flows. Where changes to data are required that are not covered by the above flows, the requirement should be discussed with ELEXON prior to booking a test slot.

In all cases these flows must be received by the PTS by midday on the working day before they become effective (at the latest). All other registration changes must be agreed with ELEXON before proceeding.

Participants should send these forms via email as Word file attachments to email address helpdesk@elexon.co.uk or fax hard copies to ELEXON on 020 7380 4329.

The Test Service will aim to acknowledge the receipt of the emailed forms by email within 4 hours and faxed forms within 4 hours. Participants should contact the ELEXON if confirmation is not received within these times.

8.2 Electronic Inputs

The following electronic inputs are supported:

Flow ID	Flow Name	Comments
ECVAA-I004	ECV Notifications	Timing constraints as for live
ECVAA-I005	MVR Notifications	Timing constraints as for live
SAA-I006	Interconnector Deemed Metered Volumes	Normally this will be part of the settlement data load, but can be supplied by a participant IA if required.
SAA-I007	Allocated Supplier Volumes	Normally this will be part of the settlement data load, but can be supplied by SVAA if required.
SAA-I026	BSAD	Normally this will be part of the settlement data load, but can be supplied if required.

These flows will be validated in the normal way – including checks on the sequence number and checksum. The usual gate-closure constraints will also apply.

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The flows will be acknowledged (or negatively acknowledged) as appropriate. Note that these in-coming flows will be supported for all participants at all times – it is the responsibility of participants to ensure they only submit data during the allocated Test Slot.

In-coming flows must contain the correct test flag, as specified in section 6.2 – "TR01" for the De-restricted environment.

8.3 Simulated Manual Flow for Credit Cover

The PTS will not have an interface with the FAA and therefore will be set up with the Credit Limit information from the live environment as part of the standing data set up.

Participants wishing to change their Credit Limit conditions will be able to provide updated values via a 'simulated' manual update to the PTS. This is normally provided to the ECVAA from the FAA, however this will be simulated via a manual flow from participants to the test service. The simulated flow is based on ECVAA-I006: Receive Credit Limit Data and must include the following:-

Party Credit Limit Details:

BSC PARTY Id
Effective Settlement Date
Credit Limit (MWh)

Appendix A (Form 12) provides a form to be used for this flow.

It is important to note that the Credit Limit data is a MWh figure, which would normally be calculated by the FAA based on monetary values of Credit Cover and historic operational data. Participants will need to calculate this MWh figure themselves.

Participants should send this request to Test Service by email by mid-day on the working day prior to the day it should becomes effective. Alternatively, the form can be faxed to ELEXON.

Participants may also request that the Notification Rejection Flag for their Party ID is set, if this is required for particular credit limit tests. In the PTS, participants can request this change directly from ELEXON

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9 REPORTS AND ELECTRONIC OUTPUTS

The reports produced by the PTS are the same as those for the live service, although the schedule for the generation of reports may be different and change from time to time - test users will be notified of such changes via PTS Bulletins. The initial set-up is such that all reports are suppressed to all participants – reports are only enabled as requested by the participants (using a modified version of form BSCP 41/1).

Participants can decide whether they wish to enable some or all of their flows all the time, or just enable the flows during the times they are carrying out testing.

However, it is expected that participants will require reports that are issued some time after their allocated Test Slot (for example, the ECVAA Notification Report issued the next day).

The following reports are supported:

Report ID	Report Name	Schedule
CDCA-I012	Raw Meter Reading Report	This will only be issued in cases where participants need to see details of the meter readings used in the aggregation / settlement run.
CDCA-I014	Estimated Data Report	This will only be issued where participants request modification of meter readings.
CDCA-I029	Aggregated GSP Group Take Volumes	As per PTS Settlement Timetable
CDCA-I030	Meter Period data for Distribution Area	As per PTS Settlement Timetable
CDCA-I036	GSP Group Take to SAA	On request by ELEXON, and as per PTS Settlement Timetable
CDCA-I041	Interconnector Aggregation Report	As per PTS Settlement Timetable
CDCA-I042	BM Unit Aggregation Report	As per PTS Settlement Timetable
CDCA-I043	GSP Group Take to SVAA	This will only be issued when SVAA are part of the test.
CDCA-I049	Total Demand per GSP	This will only be issued when NGC are part of the test.
CRA-I014	Registration Report	As a result of Registration changes
CRA-I021	Registered Service List	On request
CRA-I024	Certification and Accreditation Status Report	On request
ECVAA-I007	ECVNA Feedback	As a result of Authorisation changes

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Report ID	Report Name	Schedule
ECVAA-I008	MVRNA Feedback	As a result of Authorisation changes
ECVAA-I009	ECVN Feedback	In response to rejected notifications
ECVAA-I010	MVRN Feedback	In response to rejected notifications
ECVAA-I013	Authorisation Report	On request by users
ECVAA-I014	Notification Report	02:00 Daily (including weekends)
ECVAA-I022	Forward Contract Report	09:00, 14:30, 18:30 & 22:00 Daily (including weekends).
ECVAA-I028		By agreement
ECVAA-I029		By agreement
SAA-I014	Settlement Report	As per PTS Settlement Timetable

Acknowledgements for incoming and outgoing electronic flows are fully supported.

Note that some of these reports are scheduled for production outside normal office hours, even though support is not provided during these hours.

Ad-hoc reports can be requested by participants during their Test Slots.

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APPENDIX A: FORMS FOR BOOKING AND MANUAL FLOWS

Forms:-

1. Booking Form for the Participant Test Service
2. ECVNA Authorisation Request Form (BSCP71/01)
3. MVRNA Authorisation Request Form (BSCP71/02)
4. ECVNA Authorisation Termination Request Form (BSCP71/03)
5. ECVNA Authorisation Termination Request Form (BSCP71/05)
6. ECVNA / MVRNA Authorisation Key Change Request Form (BSCP71/09)
7. BSC Agent – Declaration of Authorised Persons (BSCP38/5.3)
8. Changes to Individual Reporting Requirements (BSCP41/1)
9. Cross Client Report Results (BSCP41/2)
10. Party Change of Registration Details Form (BSCP65/4.1)
11. Registration of BM Unit (BSCP15/4.1)
12. Credit Limit Change Request
13. BM Unit CALF Change Request
14. Change of Sequence Numbers (Test Service Provider Form)
15. Participant File Delivery Details Form (Test Service Provider Form)

Note: These forms are based on those in the current operational versions of BSCPs but include minor changes for use with the Participant Test Service. They should only be used for providing information to the Participant Test Service, De-restricted environment. These forms should only be sent to the contacts set out in this document.

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FORM 1: BOOKING FORM FOR THE PARTICIPANT TEST SERVICE

PARTICIPANT TEST SERVICE ONLY

Send completed Booking Form to helpdesk@elexon.co.uk

NOTE: This form will need to be received by ELEXON prior to the week of testing as described in Section 4.1. (at least 2 weeks before testing).

Test Participant Details

*** Denotes required fields.**

*Date Raised:	
*Company Name:	
*Party ID(s):	
*Party Agent ID(s):	
*Contact Name:	
*Email address:	
*Telephone/Fax:	
*Finance Contact:	
*Invoice Address:	
*Purchase Order Number:	
Date Received:	(ELEXON use only)

Requested days/dates for use of PTS

Enter the dates and times in the following table to indicate request:

	Monday	Tuesday	Wednesday	Thursday	Friday
Date					
Start time					
End Time					

	High Grade	Low Grade
Connection		

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Detailed Description of Testing and Flows to be sent to PTS System:

Please indicate which flow you want to test:

ECVAA Test Flows Available					
Flow Name	**Description**	**Direction**	**Applicable to:**	**Submission method**	**Required?**
ECVAA-I002	Receive Energy Contract Volume Notification Agent Authorisation Data	Inbound	BSC Party, ECVNA	Manual	
ECVAA-I003	Receive Meter Volume Reallocation Notification Agent Authorisation Data	Inbound	BSC Party, MVRNA	Manual	
ECVAA-I004	Receive Energy Contract Volume Notifications	Inbound	ECVNA	Automatic	
ECVAA-I005	Receive Meter Volume Reallocation Notifications	Inbound	MVRNA	Automatic	
ECVAA-I007	Issue Energy Contract Volume Notification Agent Authorisation Feedback	Outbound	BSC Party, ECVNA	Manual/ Automatic	
ECVAA-I008	Issue Meter Volume Reallocation Notification Agent Authorisation Feedback	Outbound	BSC Party, MVRNA	Manual/ Automatic	
ECVAA-I009	Issue Energy Contract Volume Notification Feedback	Outbound	BSC Party, ECVNA	Automatic	
ECVAA-I010	Issue Meter Volume Reallocation Notification Feedback	Outbound	BSC Party, MVRNA	Automatic	
ECVAA-I013	Issue Authorisation Report	Outbound	BSC Party, ECVNA, MVRNA	Automatic	
ECVAA-I014	Issue Notification Report	Outbound	BSC Party, ECVNA, MVRNA	Automatic	
ECVAA-I017	Issue ECVAA Performance Report	Outbound	BSCCo Ltd	Manual	
ECVAA-I018	Receive Acknowledgements	Inbound	All automatic outbound IU	Automatic	

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ECVAA-I019	Issue Acknowledgements	Outbound	All automatic inbound IU	Automatic	
ECVAA-I022	Forward Contract Report	Outbound	BSC Party	Automatic	
ECVAA-I024	Receive Credit Cover Minimum Eligible Amount Request	Inbound	BSC Party	Manual	
ECVAA-I025	Issue Credit Cover Minimum Eligible Amount Report	Outbound	BSC Party, FAA	Manual	
ECVAA-I028	Issue ECVN Acceptance Feedback	Outbound	BSC Party, ECVNA	Automatic	
ECVAA-I029	Issue MVRN Acceptance Feedback	Outbound	BSC Party, MVRNA	Automatic	
ECVAA-I035	Receive Forward Contract Report Start Period Override	Inbound	BSC Party	Manual	
ECVAA-I037	Receive Volume Notification Nullification Request	Inbound	BSC Party	Manual	
ECVAA-I038	Issue Volume Notification Nullification Confirmation Report	Outbound	BSC Party	Manual	
ECVAA-I039	Issue Nullification Completion Report	Outbound	BSC Party	Manual	

SAA Test Flows Available

Flow Name	Description	Direction	Applicable to:	Submission method	Required?
SAA-I012	Receive Dispute Notification	Inbound	BSC Party,	Manual	
SAA-I014	Issue Settlement Reports	Outbound	BSC Party,	Automatic	
SAA-I016	Publish Settlement Calendar	Outbound	BSC Party, BSC Party Agent,	Manual	
SAA-I018	Issue Dispute Reports	Outbound	BSC Party, BSCC Ltd, SO	Manual	
SAA-I021	Receive Acknowledgement of SAA Messages	Inbound	All automatic outbound IU	Automatic	
SAA-I022	Issue SAA Acknowledgement of Messages	Outbound	All automatic inbound IU	Automatic	

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FORM 2: BSCP71/01 ECVNA AUTHORISATION REQUEST FORM

ECVNA
Authorisation Request – Test Service ONLY

ECVNA to be Authorised:

To: Participant Test Service	**Date Sent:** _____
From: ECVNA to be Authorised	
Party Agent ID: _____	Name of Sender: _____
Contact email address: _____	
Our Ref: _____	Contact Tel. No. _____
Name of Authorised Signatory: _____	
Authorised Signature: _____	Password: _____

Energy (From) Account Details – (equivalent to Party I Energy Account Details):

To: Participant Test Service	**Date Sent:** _____
From: Party 1 (From Account)	
Energy Production / Consumption Flag: _____	
Party ID: _____	Name of Sender: _____
Contact email address: _____	
Our Ref: _____	Contact Tel. No. _____
Name of Authorised Signatory: _____	
Authorised Signature: _____	Password: _____

Energy (To) Account Details - (equivalent to Party 2 Energy Account Details):

To: Participant Test Service	**Date Sent:** _____
From: Party 2 (To Account)	
Energy Production / Consumption Flag: _____	
Party ID: _____	Name of Sender: _____
Contact email address: _____	
Our Ref: _____	Contact Tel. No. _____
Name of Authorised Signatory: _____	
Authorised Signature: _____	Password: _____

Implementation Details:

Effective From Date : _____/_____/_____ Effective to Date (Optional) : _____/_____/_____

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FORM 3: BSCP71/02 MVRNA AUTHORISATION REQUEST FORM

MVRNA
Authorisation Request– Test Service ONLY

MVRNA to be Authorised:

To: Participant Test Service	**Date Sent:** _____
From: MVRNA to be Authorised	
Party Agent ID: _____	Name of Sender: _____
Contact email address: _____	
Our Ref: _____	Contact Tel. No. _____
Name of Authorised Signatory: _____	
Authorised Signature: _____	Password: _____

Lead Party Details:

To: Participant Test Service	**Date Sent:** _____
From: Lead Party Details	
Energy Account Production / Consumption Flag: _____	
Party ID: _____	Name of Sender: _____
Contact email address: _____	
Our Ref: _____	Contact Tel. No. _____
Name of Authorised Signatory: _____	
Authorised Signature: _____	Password: _____

Subsidiary Party Details:

To: Participant Test Service	**Date Sent:** _____
From: Subsidiary Party Details	
Energy Production / Consumption Flag: _____	
Party ID: _____	Name of Sender: _____
Contact email address: _____	
Our Ref: _____	Contact Tel. No. _____
Name of Authorised Signatory: _____	
Authorised Signature: _____	Password: _____

Implementation Details:

BM Unit ID: _____

Effective From Date : _____/_____/_____ Effective to Date (Optional) : _____/_____/_____

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FORM 4: BSCP71/03 ECVNA AUTHORISATION TERMINATION REQUEST

ECVNA
Authorisation Termination Request- Test Service ONLY

To: Participant Test Service	**Date Sent:** _____
From: Participant Details	
Party/Party Agent ID: _____	Name of Sender: _____
Participation Capacity: _____	
Contact email address: _____	
Our Ref: _____	Contact Tel. No. _____
Name of Authorised Signatory: _____	
Authorised Signature: _____	Password: _____

I request the termination of the Authorisation relating to the ECVNA and Credited/Debited Parties indicated below, with a Termination Effective Date of _____/_____/____

ECVNA Details:

Company Name : _____ ECVNA ID : _____

Party 1 Details:

Company Name : _____ Party ID : _____

Energy Production / Consumption Flag: _____

Party 2 Details:

Company Name : _____ Party ID : _____

Energy Production / Consumption Flag: _____

Authorisation Details:

Authorisation : ID_____

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FORM 5: BSCP71/04 MVRNA AUTHORISATION TERMINATION REQUEST

MVRNA
Authorisation Termination Request – Test Service ONLY

To: Participant Test Service	**Date Sent:** _____
From: Participant Details	
Party/Party Agent ID: _____	Name of Sender: _____
Participation Capacity: _____	
Contact email address: _____	
Our Ref: _____	Contact Tel. No. _____
Name of Authorised Signatory: _____	
Authorised Signature: _____	Password: _____

I request the termination of the Authorisation relating to the MVRNA and Lead/Subsidiary Parties indicated below, with a Termination Effective Date of _____/_____/____

MVRNA Details:

Company Name : _____ MVRNA ID : _____

Lead Party Details:

Company Name : _____ Party ID : _____

Energy Account Production/Consumption Flag : _____

Subsidiary Party Details:

Company Name : _____ Party ID : _____

Energy Account Production/Consumption Flag : _____

BM Unit ID: _____

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FORM 6: BSCP71/09 ECVNA / MVRNA AUTHORISATION KEY CHANGE

ECVNA / MCVNA
Authorisation Key Change Request- Test Service ONLY

To: Participant Test Service	**Date Sent:** _____
From: Participant Details	
Party Agent ID: _____	Name of Sender: _____
Contact email address: _____	
Our Ref: _____	Contact Tel. No. _____

Authorisation Key Change required

Implementation Details:

Effective From Date : _____/_____/_____ Effective to Date (Optional) : _____/_____/_____

TRO

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FORM 7: BSCP38/5.3: BSC AGENT- DECLARATION OF AUTHORISED PERSONS – TEST SERVICE

Part A New / Change to Authorisation

To be completed by a category "A" Authorised Person.

To: Participant Test Service	**Date Sent:** _____
From: Participant Details	
Party / Party Agent ID: _____	Name of Sender: _____
Participation Capacity / Party Agent Role: _____	
Contact email address: _____	
Our Ref: _____	Contact Tel. No. _____
Name of Authorised Signatory: _____	
Authorised Signature: _____	Password: _____

I hereby confirm that effective from: ___/___/___ and effective to: ___/___/___ (date)

Name: _____

Position: _____

Tel No.: _____ Fax No: _____

Signature _____ 8 Character Password _____

is authorised in respect of the following processes:

		Yes/No
A	Changing Authorisation	
B	Accept / Reject Data Estimation	
C	Site Witnessing of Meter Readings	
D	Planned Work on Metering Systems & Breaking Seals	
E	Raise / Agree Standing Data Changes	
F	BM Units	
G	Metering System Registration / Deregistration & MOA Appointment	
H	Metering System Technical Details & Proving Tests	
I	Technical Assurance Site Visit Acceptance	
J	Party Registration and Changes to Details	
K	Submission & Termination of ECVNA or MVRNA Authorisations	
L	Submitting Aggregation Rules	
M	Amendments to Non Confidential Report Requirements	
N	Banking Details Registration and Changes to Details	

All Authorisation level Boxes must be completed with either a Y or N

Part B Cancellation of Authorisation

To be completed by a category "A" Authorised Person.

I hereby confirm that effective from _____(date) authorisation for

Name : _____

Position: _____

to sign documentation for the purposes of BSC activities has been cancelled.

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FORM 8: BSCP41/1: CHANGES TO INDIVIDUAL REPORTING REQUIREMENTS – TEST SERVICE

To be used for all changes to reporting with the exception of new Cross Client Reporting
Use continuation sheets where required

To: Participant Test Service	**Date Sent:** _____
From: Participant Details	
Party / Party Agent ID: _____	Name of Sender: _____
Participation Capacity / Party Agent Role: _____	
Contact email address: _____	
Our Ref: _____	Contact Tel. No. _____
Name of Authorised Signatory: _____	
Authorised Signature: _____	

Part A – To start or stop a version of a report

Use this part of the form to change which versions of your own reports should be generated by the relevant BSC Agent. Only one version may be requested for any given report.

Report ID	Report Name	Version†	Start/Stop	Effective Date*

* Dates are calendar dates
† Default is current version

Part B – to start or stop a report type, irrespective of version

Use this part of the form to change which of your own reports you wish to receive.

Report ID	Report Name	Start/Stop	Effective Date*

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* Dates are calendar dates

Part C – to request a non-confidential report of another Party, or stop receiving another Parties confidential/non-confidential report

Use this part of the form to request cross-client reports you wish to receive (i.e. those reports listed in Annex V-1 of the Code as being available to any Party on request), except those requiring permission from the relevant Party, and to stop receiving any cross-client reports.

Form BSCP41/2 should be used to request reports requiring relevant Party permission.

Report ID	Report Name	Relevant Party ID	Relevant Party Role	Start/Stop	Effective Date*

* Dates are calendar dates

Part D - to select the type of Forward Contract Report

Use this part of the form to select the type of ECVAA-I022 Forward Contract Report you wish to receive. Tick the appropriate box to make your selection.

Default ☐

Override ☐

Note: the Default report type starts from the first Settlement Period that has not Gate Closed. The Override option starts the report from Settlement Period 1 on each Settlement Day. Unless otherwise requested, participants will be supplied with the Default type.

Part E Authorisation

Authorisation Signature: _____ Date: / /

For PTS Use Only:

BSC Agent Receipt Confirmation	(Tick)	Date: / /
Reporting Updated		Date: / /

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	(Tick)	

TR01

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FORM 9: CROSS CLIENT REPORT REQUESTS (BSCP41/2)- TEST SERVICE

PART A: ***To be completed by Requesting Party / Party Agent***

To: Participant Test Service	**Date Sent:** _____
From: Requesting Participant Details	
Party / Party Agent ID: _____	Name of Sender: _____
Participation Capacity / Party Agent Role: _____	
Contact email address: _____	
Our Ref: _____	Contact Tel. No. _____
Name of Authorised Signatory: _____	
Authorised Signature: _____	

Report ID	Report Name	Relevant Party ID	Relevant Party Role	Requesting Party ID	Requesting Party Role	Effective Date

PART B: ***to be completed by Relevant Party / Party Agent***

Relevant Party Details Contact Name: Party / Party Agent Name: Fax:	I give / do not give* permission for the above reports to be provided Authorised Signatory: _____ Date: / /

For BSCCo / BSC Agent Use Only

BSCCo Receipt Confirmation	(Tick)	Date: / /
BSC Agent Reporting Updated	(Tick)	Date: / /

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FORM 10: PARTY CHANGE OF REGISTRATION DETAILS FORM (BSCP65/4.1)

BSCP65/4.1 Party Registration Application / Change of Registration Details Form*

*** Delete as appropriate** BSCP65/01

To: CRA	**Date Sent:** _____
From: Requesting Participant Details	
Party ID: _____	Name of Sender: _____
Contact email address: _____	
Our Ref: _____	Contact Tel. No. _____
Name of Authorised Signatory: _____	
Authorised Signature: _____	Password: _____

ACTION DESCRIPTION (*TICK ONE BOX ONLY*)					
Register		Amend Registration			

BSC PARTY DETAILS	
BSC Party Name	

Tick one Participation Capacity only. Please complete separate form for each role that applies.

PARTICIPATION CAPACITY DETAILS*		EFFECTIVE FROM DATE DD/MM/YY	EFFECTIVE TO DATE DD/MM/YY	ENTER '*' IF DATA HAS CHANGED
Trading Party				
Distributor System Operator				
Interconnector Administrator				
Interconnector Error Administrator				
Transmission Company				
Supplier				

SVAA Market Participant ID *(Required If Role of Supplier selected)*	

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Address Details		**Enter '*' if data has changed**
Address Line 1		
2		
3		
4		
5		
6		
7		
8		
9		
Postcode		
Office Telephone Number		
Office Fax Number		
Email Address		
Contact Name		

Interconnector Error Administrator Details (Only Required if Role of Interconnector Error Administrator is requested)	
Interconnector Id	
Effective From Date	
Effective To Date	

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FORM 11: BSCP15/4.1 REGISTRATION OF BM UNIT[2]

PAGE 1 OF 3

To: CRA	**Date Sent:** _____
From: Participant Details	
Party ID: _____	Name of Sender: _____
Contact email address: _____	
Our Ref: _____	Contact Tel. No. _____
Name of Authorised Signatory: _____	
Authorised Signature: _____	Password: _____

Is this BM Unit registration:

[ ] a New BM Unit Registration

[ ] a Change of BM Unit Ownership

[ ] subject to a Registration Transfer in accordance with BSCP68

[ ] a change in status of a BM Unit's FPN Flag

(Tick as appropriate)

[2] BM Units with associated CVA Metering Systems, Additional BM Units and Interconnector BM Units. In the case of Base BM Units this form should be used to complete the Base BM Registrations by providing, for example, the initial GC/DC vales and if appropriate the FPN Flag.

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BSCP15/4.1 Registration of BM Unit (cont)

BM Unit Registration Details													
BM Unit Name	BM Unit Id	BM Unit Type[3]	NGC BM Unit Name[4]	NGC Zone (optional)	Ordnance Survey Reference (optional)	GSP Group Id [5]	GC (MW)	DC (MW)	Production/ consumption Flag (P / C) [6]	FPN Flag (Y / N)	Interconnector Id [7]	Effective From	Effective To (optional)

MPAN MAPPING DETAILS[8]		
MPAN	Effective From Date	Effective To Date

[3] E – Embedded, I – Interconnector, S – Additional Supplier GSP Group, T – Directly Connected
[4] The NGC BM Unit Name must be provided for all BM Units with the FPN Flag set to 'Y'.
[5] If unit type E or S
[6] Only applicable for Exempt BM Units belonging to a Sole Trading Unit
[7] If BM Unit Type is I
[8] Only applicable to Embedded Sites

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BSCP15/4.1 Registration of BM Unit (cont)

BM UNIT GROUP DETAILS		
Teleswitch Group ID	**Effective From Date**	**Effective To Date**

BM Unit and Associated CVA Metering Systems	
BM Unit	**Associated CVA Metering Systems**

CONTROLLED

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FORM 12: CREDIT LIMIT CHANGE REQUEST

Ref: TR01

Participant Test Service Only

Credit Limit Change Request

Party Name:	
Party ID:	
Name:	
Signature:	
PTS Environment:	

Please change the Credit Limit to be used for the above Party ID as follows:

New Credit Limit (MWh)	Effective From Date

TEST

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FORM 13: BM UNIT CALF CHANGE REQUEST

Participant Test Service Only **BM Unit CALF Change Request**

Participant Name:	
Participant ID:	
Name:	
Signature:	
PTS Environment:	

Please change the CALF value for the following BM Units:

BM Unit ID	CALF	Effective From Date

TEST

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FORM 14: CHANGE OF SEQUENCE NUMBERS

Participant Test Service Only **Sequence Number Change Request**

Participant Name:	
Participant ID:	
Name:	
Signature:	
PTS Environment:	

Please change the next sequence number to be used for the following role combinations:

Flows from Participant to Central Systems			
From Role (Participant Role)	**To Role (EC, CR, SA, CD, BM)**	**Next Sequence Number**	**Date and Approx Time Required (working Day only)**

Flows from Central Systems to Participant			
From Role (EC, CR, SA, CD, BM)	**To Role (Participant Role)**	**Next Sequence Number**	**Date and Approx Time Required (working Day only)**

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FORM 15: PARTICIPANT FILE DELIVERY DETAILS FORM

Ref:

TR01

Participant Test Service Only **Participant File Delivery Details**

Participant Name:	
Participant ID:	
Name:	
Signature:	
PTS Environment:	

Part A - Delivery Method

Please identify **one** (only) of the following file delivery methods:

File delivery method: High Grade Push * Y / N

High Grade Pull Y / N

Low Grade Y / N

Part B - * For High Grade Push

Please provide the following details for participant's server using ftp protocol:

IP Address:	
Ftp User Name:	
Ftp Password:	
Path to 'temp' directory:	
Path to 'inbox' directory:	
Operating System (if not UNIX):	

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